1	<u>ABSTRACT</u>
2	An open loop controller for use with a sampled grating distributed Bragg reflector
3	(SGDBR) laser is presented. The controller for provides separate inputs to the laser
4	including a front mirror current controlling a front mirror and a back mirror current
5	controlling a back mirror to control, as well as a phase current and a gain current. The open
6	loop controller in accordance with the present invention further includes a lookup table
7	generated to reflect the unique specifications of each SGDBR laser is controlled.